THE PLOTTER

CLACKAMAS COUNTY AREA T/S
USERS GROUP
NEWSLETTER

VOLUME 3 NUMBER 1

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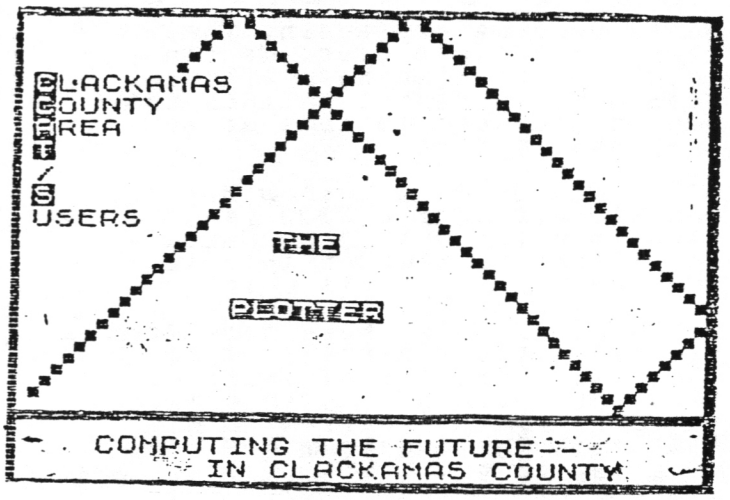

HAPPY NEW YEAR

MEETINGS

Our December meeting was held on December 5, 1984, at 7:35 P.M.. We met in the Community Room of Far West Federal Savings and Loan, in the Oregon City Shopping Center. After the announcments and news, there was some new business. It was proposed and passed that we purchase an Eprom Programmer for the groups' use. The Eppromner has been ordered.

The Okimate 10 Color Graphic Printer is available for some computers, but not for the T/S line. It was proposed that we start a write-in campaign to try to get them to possibly make an I/F available for us.

Write or call:

OKIDATA
PAUL PIERGROSS
532 FELLOWSHIP ROAD
MT. LAUREL, NJ 08054
1-609-235-2600 EXT. 244

Let's see if we can get equality for T/S USERS.

Our first meeting for the new year will take place:

on: JANUARY 3, 1985
at: 7:30 P. M.
in: COMMUNITY ROOM
FAR WEST FED SAVINGS
OC SHOPPING CENTER

There will be some interesting things to see at the meeting. The A&J 2000 Microdrive will be demonstrated in a dual drive set up. There will be a demo of the Epson RT 80 FT printer interfaced to the 2068, and much more. Why not come out and see what's new in T/S LAND.

SEE YOU ALL THERE

WHAT YOU'LL FIND -IN THIS ISSUE-

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BITS and BYTES

Well, here we are again. The start of another year. We can only hope that we have as much good news to report in this column in the year to come as we have had in 1984.

MICRODRIVES- As you know by now, the A&J Microdrive 2000 is availible for the 2068. Watch for future reviews on the use and operation of this unit.

UK MICRODRIVE- We have news from the Long Island Sinclair Timex (L.I.S.T.) that one of their members has successfully interfaced the Spectrum Microdrive to his 2968 with the Spectrum ROM. One more way to go.

TIME DESIGNS- Have you seen the newest T/S magazine on the market? If not, you should take a look. We are fortunate that one of our own members, TIM WOODS, is the Editor-Publisher of the new endeavor. We want to wish you good luck again, Tim.

NEW OFFICERS- Let's all join together to welcome our new officers into office and to wish them well in 1985.

HAPPY NEW YEAR- Before we forget to do so, let us take a moment and a few lines to wish all of our members and readers in T/S Land a very HAPPY NEW YEAR!!

DISC I/F- The disc drive interfaces that were to become availible in December have so far failed to show. At least we have no news as to when (if?) they might be released. Seems as though the microdrive is the best for now.

EPPROMMER- We have ordered the Epprommer, a device for programming our own eproms to make cartridges for ourselves, from a company called Research Service Labs in Oklahoma City. It has been about 8 weeis and no sign yet. The company has no listed phone, but advertises in Computer and Electronics magazine. We sure hope that it shows up soon or we may have to take action.

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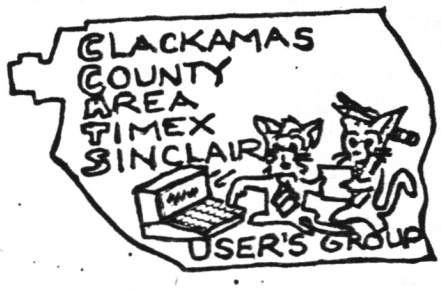

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MICRODRIVE SOFTWARE- We find that with the Microdrive 2000 having just been released, there are at least 4 companies already offering their software on wafer format. We understand that A&J will be making a list for all dealers listing all the dealers of the hardware AND software to run on it.

LIBRARY- Our thanks to all of you who have donated books and programs to the Library in the past year. The Library has almost doubled in that time. If you haven't taken advantage of our Library yet, you should look into it. It is there for the benefit of all the members. (NOTE: We still have not found the two missing copies of ZX Computing. We would appreciate any and all help in tracking them down.)

CONVERSIONS- We want to thank DENNIS JURRIES for the work he did and is doing in converting ZX Spectrum programs listed in ZX Computing to run on the 2068. These programs are in the tape library for your use. THANKS AGAIN, DENNIS!

THIS IS YOUR NEWS COLUMN- It is here to pass on any and all news that is relevant to T/S Users. If you have any tidbits of news that you think would benefit others, PLEASE get it to us and we will print it.

See you next time.....

Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ

FROM THE EDITOR'S DESK

WELL, the elections are history. We have our new officers, elected by the membership at large. With such a large membership, I had hoped to see more votes cast for OUR OFFICERS. With 53 ballots sent out, we only received 16 votes. As I always tell the people who ask about our membership, we represent a good cross-section of our local society. And, as in our local society, there seems to be a large amount of public apathy around. Oh well, I'll get off the soapbox. One last word on the subject, IF YOU DID NOT OR WOULD NOT TAKE THE 2 MINUTES REQUIRED TO VOTE, THEN DO NOT COMPLAIN ABOUT YOUR LEADERSHIP!

On the bright side, we hope that each of you has a better and happier New Year.

# # # # # # # # # # # # # # # # # #

ZX/TS
P and R

This month we have a couple of ings for the 2068 as well as a ogram for the 1000. The 1000 program, MOTORCYCLE JUMP, comes to us from the database on the COMPUTER AND ELECTRONICS MAGAZINE SPECIAL INTEREST GROUP(SIG) on COMPUSERVE. It was downloaded and LLISTed for you. It is also in the tape library on a tape called GAMES FROM COMPUSERVE.

The 2068 routine and program are both from JACK ARMSTRONG.

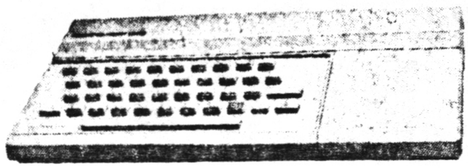
We are also includ ing a program that appears in SYNTAX. It will print cassette labels on your 2040 printer. It is easily adapted to the 2068. We think that it makes a very nice looking label.

Credit is given in each listing to whom deserves it.

ENJOY.....

```
  10 REM "MOTORCYCLE JUMP"
  12 REM (C)1979 CREATIVE COMPUT
ING
  14 REM TRANSLATED BY:
  16 REM [illegible]
  18 PRINT AT 10,8;"""MOTORCYCLE
 JUMP"""
  20 DIM I$(14,6)
  25 LET K$="R.ARM L.ARM R.LEG L
LEG BACK  NECK  SKULL RIBS  KNE
  BUTT  FACE  PELIVSPRIDE BIKE
 "
  30 LET T=.1
  32 LET T2=0
  34 LET T3=0
  40 FOR L=1 TO 14
  42 LET J$=K$( TO 6)
  44 LET I$(L)=J$
  46 LET K$=K$(7 TO )+K$( TO 6)
  48 NEXT L
  50 SLOW
  90 CLS
 100 PRINT ,,,,"WE ARE AT THE SC
ENE OF"
 105 PRINT TAB 5;"THE BIG MOTORC
YCLE JUMP"
 110 PRINT ,,"HOW MANY BUSSES WI
LL YOU TRY      TO JUMP?"
 115 INPUT N
 120 LET J=N*15
 130 PRINT ,,N;" BUSSES. THAT'S
";J;" FEET."
 140 PRINT ,,"WHAT RAMP ANGLE? (
0-90)"
 145 INPUT A2
 150 IF A2<=90 AND A2>=0 THEN GO
TO 180
 160 GOTO 145
 180 LET A=A2*.01745
 190 PRINT ,,"WHAT SPEED LEAVING
 THE RAMP?"
 195 INPUT S
 200 IF S<=0 THEN GOTO 195
 210 PRINT ,,TAB 3;"*** G O O D
 L U C K ***"
 220 LET H=6
 222 LET D=0
 224 LET G=6
 226 LET R2=0
 228 LET S2=0
 230 LET S=S*1.5
 240 FOR W=1 TO 3
 250 NEXT W
 270 CLS
 280 PRINT ,,"THERE HE GOES...."
 285 PRINT
 290 LET S=S-S2
 300 LET F=S*T
 310 LET D2=F*COS (A)
 320 LET R=F*SIN (A)
 330 LET R2=R2+(32*T)
 340 LET R3=R2*T
 350 LET H=H+R-R3
 360 LET D=D+D2
 370 PRINT "*";
 380 LET S2=(S/120)*32*T
 390 IF D>=J THEN LET G=G-R
 400 IF G<=0 THEN LET G=0
 410 IF H>G THEN GOTO 290
 420 IF D<J THEN GOTO 490
 430 IF D>J+20 THEN GOTO 520
 440 LET L=((D-J)/30)+RND*0
 450 IF L>.8 THEN GOTO 530
 460 PRINT ,,"HE MADE IT..."
 465 PRINT "NICE JUMP, KILLER."
 470 LET T2=T2+1
 472 FOR W=1 TO 8
 474 NEXT W
 480 GOTO 760
 490 PRINT "HE'S SHORT OF THE RA
MP...."
 492 FOR W=1 TO 8
 494 NEXT W
 500 LET L2=INT ((((J-D)/5)*2)+(
RND*5)+.5)
 510 GOTO 550
 520 PRINT "HE JUMP TOO FAR."
 522 FOR W=1 TO 8
 524 NEXT W
 530 PRINT "HE MISSED THE RAMP"
 532 FOR W=1 TO 8
 534 NEXT W
 540 LET L2=INT (((D+20-J)/20)+(
RND*5))
 550 PRINT ,,"I THINK HE IS HURT
....."
 560 FOR W=1 TO 8
 565 NEXT W
 600 IF L2>14 THEN LET L2=14
 610 IF L2<=0 THEN LET L2=1
 700 CLS
 710 PRINT "WELL, KILLER, THE DO
CTOR SAYS"
 720 PRINT TAB 6;"YOU BROKE YOUR
:"
 730 FOR Z=1 TO L2
 735 PRINT I$(Z);"  ";
 740 NEXT Z
 760 LET T3=T3+1
 762 FOR W=1 TO 25
 764 NEXT W
 770 CLS
 775 PRINT ,,"WANT TO JUMP AGAIN
?"
 780 INPUT Y$
 785 IF Y$(1)="Y" THEN GOTO 90
 790 PRINT ,,,,"YOU MADE IT ";T2
 795 PRINT "OUT OF ";T3;" ATTEMP
TS."
 800 PRINT ,,TAB 8;"BE CAREFUL,
NOW."
9998 SAVE "M[illegible]"
9999 RUN
```

Use the POWER within your reach!



```
CLACKAMAS
LCounty  A
A Area   M
C        A
K        K
A Users  C
M Group  A
A        L
SAMAKCALC
```

```
  5 REM SCREEN FORMAT ROUTINE
        From Jack Armstrong
  6 REM Note the positioning
        tied to the loop #'s
 10 LET x$="CLACKAMAS"
 20 PRINT : PRINT : PRINT : PRI
NT
 25 REM This loop prints across
 30 FOR k=1 TO LEN x$: PRINT AT
 4,11+k;x$(k);: NEXT k
 35 REM This loop prints down
 40 FOR k=LEN x$ TO 1 STEP -1
 50 PRINT AT k-13,20;x$(k)
 60 NEXT k
 65 REM This loop prints back
        to the left
 70 FOR k=1 TO LEN x$
 80 PRINT AT 12,21-k;x$(k)
 90 NEXT k
 95 REM This loop prints up
100 FOR k=LEN x$ TO 1 STEP -1
110 PRINT AT k+3,12;x$(k)
120 NEXT k
130 PRINT AT 4,12;"C";AT 5,13;"
County";AT 6,14;"Area";AT 7,15;"
";AT 8,16;"C";AT 9,14;"Users";A
T 10,14;"Group"
150 PLOT 87,151: DRAW 88,0: DRA
W 0,-88: DRAW -88,0: DRAW 0,88
160 PLOT 84,153: DRAW 0,-92: DR
AW 94,0: DRAW 0,92: DRAW -94,0
170 PRINT AT 3,11;"";AT 3,21;"
";AT 13,21;"";AT 13,11;""
180 PLOT 123,107: DRAW 9,9
```

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Inside every large program is a small program struggling to get out.

***

```
  5 REM  Source: "The Complete
Buyer's Guide to Personal Com-
puters" © 1983 by Hartnell and
Veit
  6 REM Translated for the 2068
        1984: Jack Armstrong
 10 PRINT '"This is the world'
s most bulky wristwatch. It can
 be adjusted  to almost perfect
time if you   are patient..."
 30 PRINT '"Watch for the inpu
t prompts..."
 40 PAUSE 250: CLS
100 INPUT "What is the current
Hour? ";h: PRINT 'h;":";
110 INPUT "What is the current
Minute(s)? ";m: PRINT m;":";
115 PRINT AT 16,0;"Input a numb
er about 12 seconds ahead of the
 actual watch time  and when the
 second before that time comes..
.hit the ENTER key."
120 INPUT "What is the current
second(s)? ";s: PRINT AT 2,7;s
130 PRINT : PRINT : CLS
135 PAPER 6: BORDER 5: INK 9: C
LS
136 PRINT INK 2;AT 8,10;"The ti
me is:"
140 PRINT AT 10,12;h;"/";
150 IF m<10 THEN PRINT "0";
160 PRINT m;"/";
170 IF s<10 THEN PRINT "0";
180 PRINT s
190 REM change loop to adjust
        faster or slower
200 FOR a=1 TO 152: NEXT a
210 LET s=s+1
220 IF s=60 THEN LET m=m+1
230 IF s=60 THEN LET s=0
240 IF m=60 THEN LET h=h+1
250 IF m=60 THEN LET m=0
260 IF h=13 THEN LET h=1
270 GO TO 136
```

%%%%%%%%%%%%%%%%%%%%%%%%%

```
  1 CLS
100 INVERSE 1: PRINT "     CASS
ETTE LABEL PROGRAM          "
105 INVERSE 0: PRINT ,,"Use wit
h printer to make labels."
110 PRINT ,,"You may make 3 lin
es.  Enter","one line at a time,
 followed by","ENTER."
120 PRINT AT 20,0;"Now enter li
ne 1:"
130 PRINT AT 10,0;"
"
140 FOR i=1 TO 3: PRINT "";TAB
 31;: INVERSE 1: PRINT "": INVE
RSE 0
150 NEXT i
160 INVERSE 1: PRINT "
": INVERS
E 0
170 INPUT a$
180 IF a$>"" THEN LET x$=a$
190 IF a$="" THEN GO TO 250
200 IF LEN a$>30 THEN GO SUB 62
0
210 IF LEN a$>30 THEN GO TO 170
215 LET t=30-LEN a$
220 PRINT AT 11,1;"
                  ": PRINT AT 11
,t/2;a$
230 GO SUB 640
240 GO TO 170
```

(Cont. next page)

```
 250 PRINT AT 20,0;"Next, Please
 enter line 2:                "
 280 INPUT b$
 290 IF b$>"" THEN LET y$=b$
 300 IF b$="" THEN GO TO 370
 310 IF LEN b$>30 THEN GO SUB 62
0
 320 IF LEN b$>30 THEN GO TO 250
 330 PRINT AT 12,1;"
                    "
 335 LET t=30-LEN b$
 340 PRINT AT 12,t/2;b$
 350 GO SUB 640
 360 GO TO 280
 370 PRINT AT 20,0;"Now enter yo
ur last line:                "
 380 INPUT c$
 390 IF c$>"" THEN LET z$=c$
 400 IF c$="" THEN GO TO 470
 410 IF LEN c$>30 THEN GO SUB 62
0
 420 IF LEN c$>30 THEN GO TO 380
 430 PRINT AT 13,1;"
                    "
 435 LET t=30-LEN c$
 440 PRINT AT 13,t/2;c$
 450 GO SUB 640
 460 GO TO 380
 470 INVERSE 1: PRINT AT 20,0;"
""C"" For Copy,""N"" For New Lab
el."
 480 INVERSE 0: PAUSE 4e4
 490 LET d$=INKEY$
 500 IF d$="n" THEN CLS
 510 IF d$="n" THEN RUN
 520 IF d$="" THEN GO TO 480
 530 LPRINT "
                    "
 532 LET t=30-LEN x$
 534 LET s=30-LEN y$
 536 LET r=30-LEN z$
 540 LPRINT "▌";AT 1,t/2;x$;TAB
31;"▌": INVERSE 1: LPRINT "▌": INVE
RSE 0
 550 LPRINT "▌";AT 1,s/2;y$;TAB
31;"▌": INVERSE 1: LPRINT "▌": INVE
RSE 0
 560 LPRINT "▌";AT 1,r/2;z$;TAB
31;"▌": INVERSE 1: LPRINT "▌"
 570 LPRINT "
                    "
 580 FOR i=1 TO 3
 590 LPRINT
 600 NEXT i
 610 GO TO 470
 620 INVERSE 1: PRINT AT 20,0;"T
oo many letters,please re-enter"
 630 INVERSE 0: RETURN
 640 INVERSE 1: PRINT AT 20,0;"P
ress Enter if o.k.(or re-enter)"
 650 INVERSE 0: RETURN
9998 SAVE "label" LINE 1
```

▚▚▚▚▚▚▚▚▚▚▚▚▚▚▚▚▚▚▚▚

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The attention span of a computer is only as long as its power cord.

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If a test installation functions perfectly, all subsequent systems will malfunction.

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BOOK REVIEW

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BOOK REPORT

by Jack Armstrong

THE ESSENTIAL GUIDE TO
TIMEX/SINCLAIR
HOME COMPUTERS
by Peter Morse, Ian Adamson,
Ben Anrep and Brian Hancock
ISBN 0-671-47069-8 Pbk

This is the best book on programming yet encountered by this writer. Usually I am bewildered by explanations that assume that the user knows the same things that the writer does and the upshot is that I only understand about 60% of what is written. This book is so well written that my comprehension is up to about 85%. That in itself is a great accomplishment. The rest of the nice things about this book are gravy.

It covers a lot of ground from the very basic to the advanced. It was written for the ZX 81 and the 1000 with notations for the Spectrum/TS 2000 (sic).

I haven't covered the entire book in detail yet-it will take a long time and a lot of study to go through all of it.

The authors have tried to go through all of the commands with explanations and, usually, examples of how things work.

They have provided programs in the text that use the principles discussed and there is a program library at the end of the book with more programs.

None of the commands that are unique to the 2068 are covered in the text but this is a small complaint. The clarity and completeness of the text are a joy for someone like me who needs a guru at his shoulder at all times.

The best example of the authors' expertise is in their treatment of the Boolean operators--I almost understand them and have used a few in my own programs.

There is a section devoted to the Spectrum/2000 (sic) that covers all of the additional material that one needs for that machine, except the commands that are unique to the 2068.

If you need a reference book and an excellent tutorial, then this is the book for you to add to your library.

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UPCOMING

Watch for next month's PLOTTER. In it you will find your updated CCAT/S membership list. It will contain the names of all paid members as of January 15, 1985. If you want your name on the roster, make sure your dues are paid on time.
There will also be some reviews on the new A&J Drives.
These and more, next month...

WATCH FOR IT!

ENJOY IT!!!

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